

SUPPLEMENTARY MATERIAL

Effects of traffic noise on calling activity of *Aplastodiscus leucopygius* (Anura, Hylidae)

BEATRIZ AZEVEDO CEZILA¹, RAONI REBOUÇAS^{2,3,4,*}, CYBELE SABINO
LISBOA⁵

¹ Fundação Parque Zoológico de São Paulo, Avenida Miguel Stefano, 4241, São Paulo – SP, Brazil.

² Laboratório de História Natural de Anfíbios Brasileiros – LaHNAB, Departamento de Biologia Animal, Instituto de Biologia, Universidade Estadual de Campinas. Cidade Universitária Zeferino Vaz, Campinas – SP, Brazil.

³ Laboratório de Ecologia Evolutiva de Anfíbios, Departamento de Zoologia, Instituto de Ciências Biológicas, Universidade Federal de Juiz de Fora, Juiz de Fora, Minas Gerais, 36036-900, Brazil

⁴ Laboratório de Estudos Cromossômicos – LabEsC, Departamento de Biologia Estrutural e Funcional, Instituto de Biologia, Universidade Estadual de Campinas. Cidade Universitária Zeferino Vaz, Campinas – SP, Brazil.

⁵ Zoológico de São Paulo – Reserva Paulista, Avenida Miguel Stefano, 4241, São Paulo – SP, Brazil.

*corresponding author: raonisreboucas@gmail.com

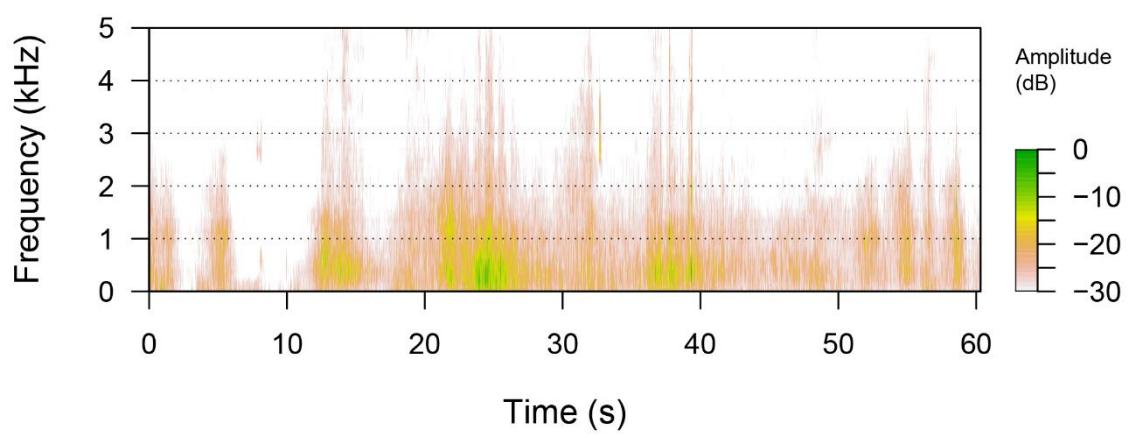


Figure S1. Spectrogram of noise used in the playback trial.

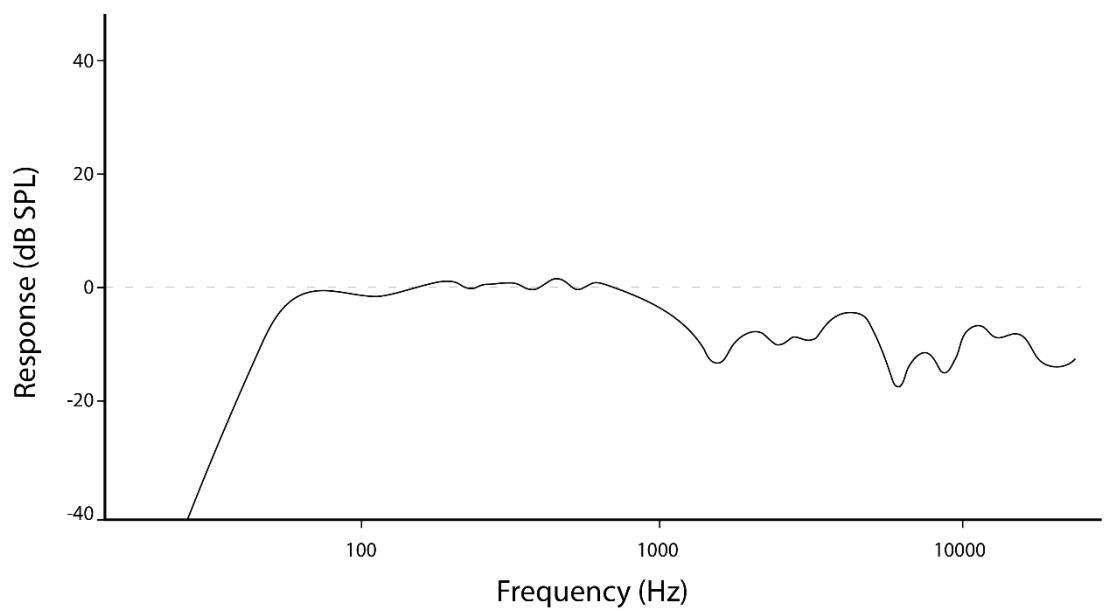


Figure S2. Frequency response of JBL Extreme speaker in relation to Sound Pressure Level (SPL).

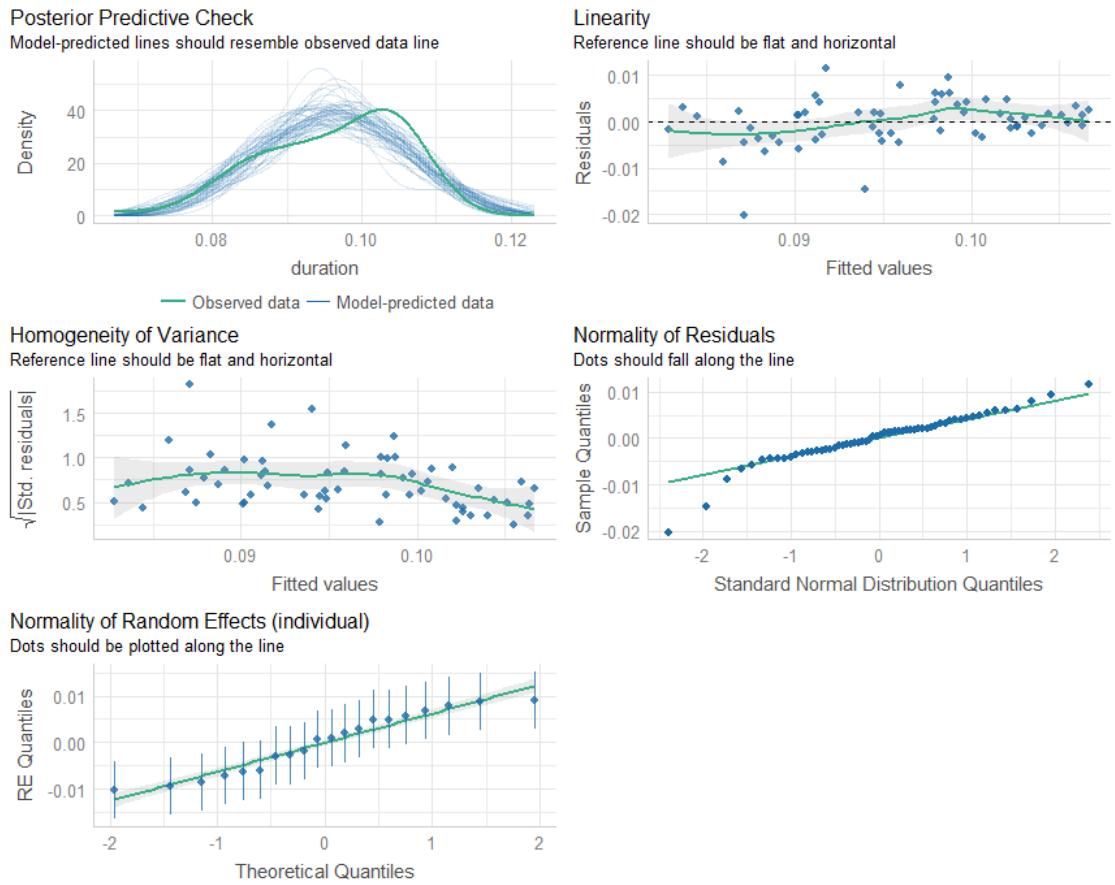


Figure S3. Performance of the model: call duration $\sim \exp + (1|\text{individual})$.

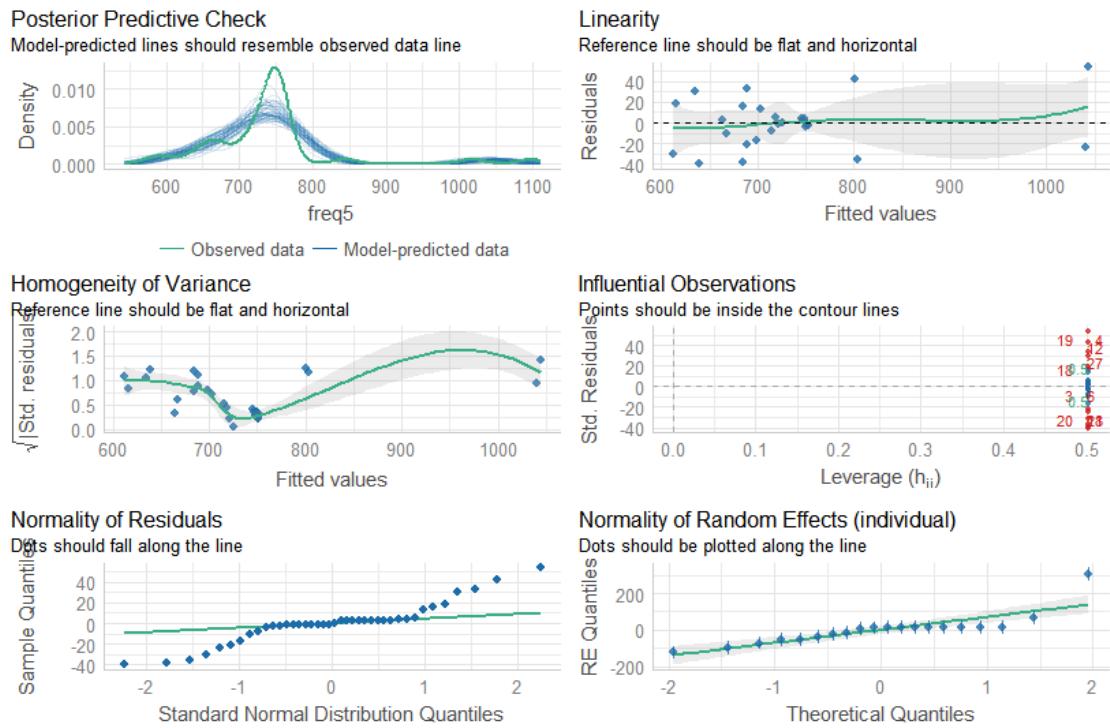


Figure S4. Performance of the model: minimum frequency $\sim \exp + (1|\text{individual})$.

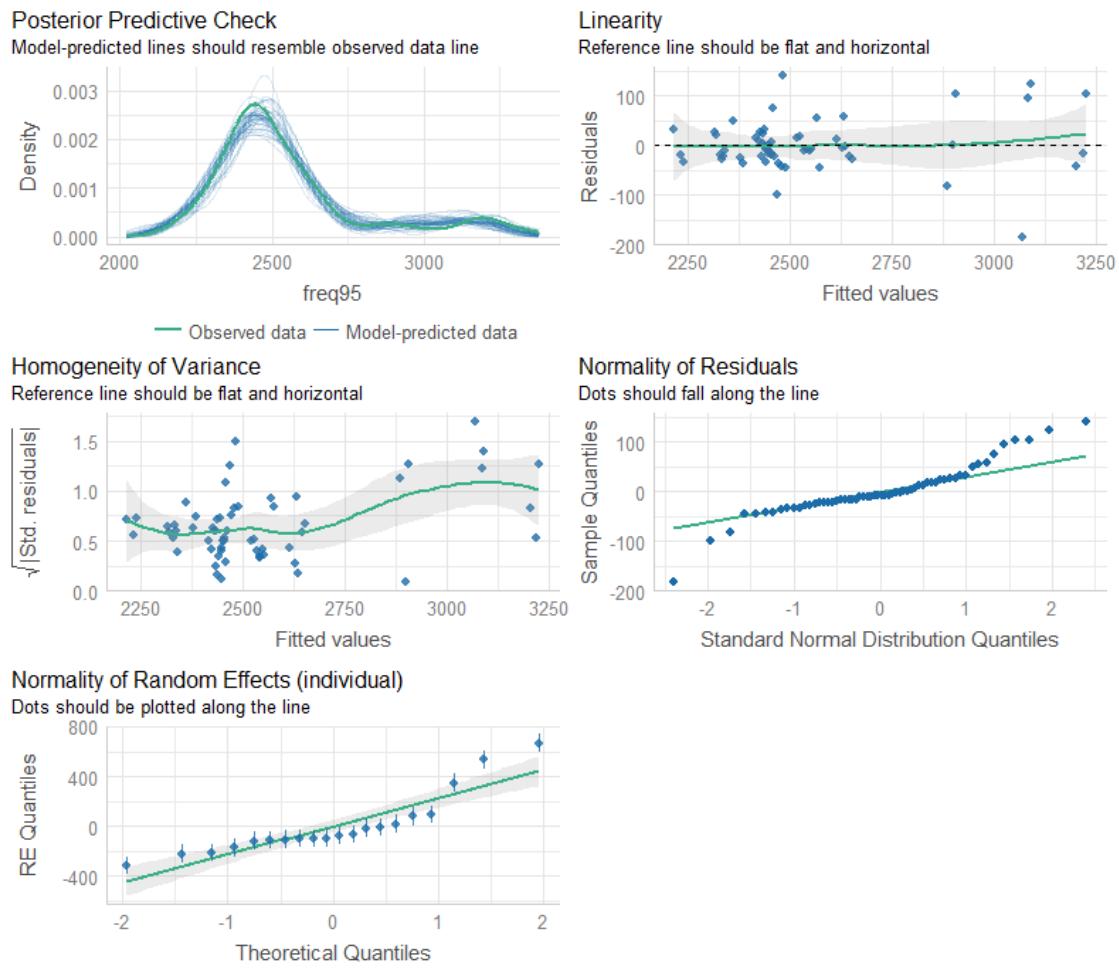


Figure S5. Performance of the model: maximum frequency $\sim \exp + (1|\text{individual})$.

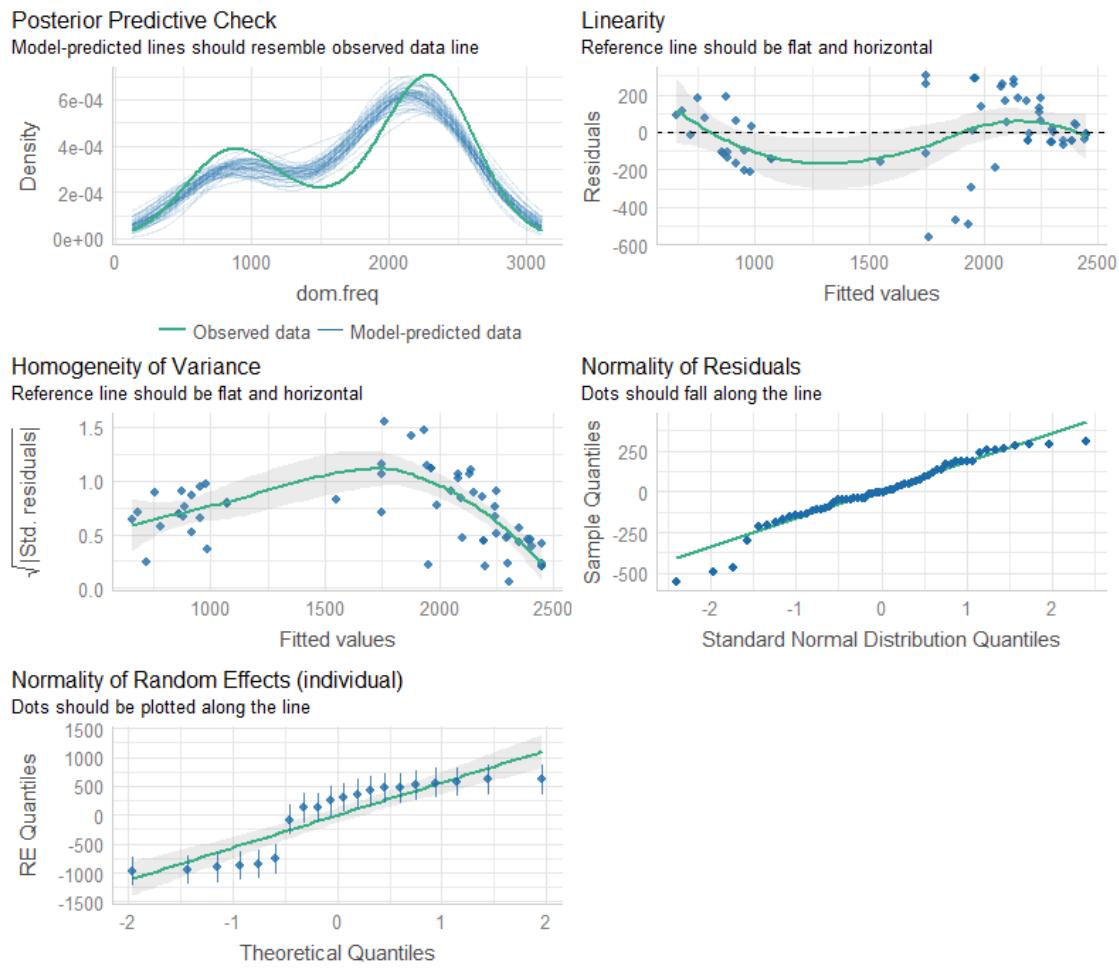


Figure S6. Performance of the model: dominant frequency $\sim \exp + (1|\text{individual})$.

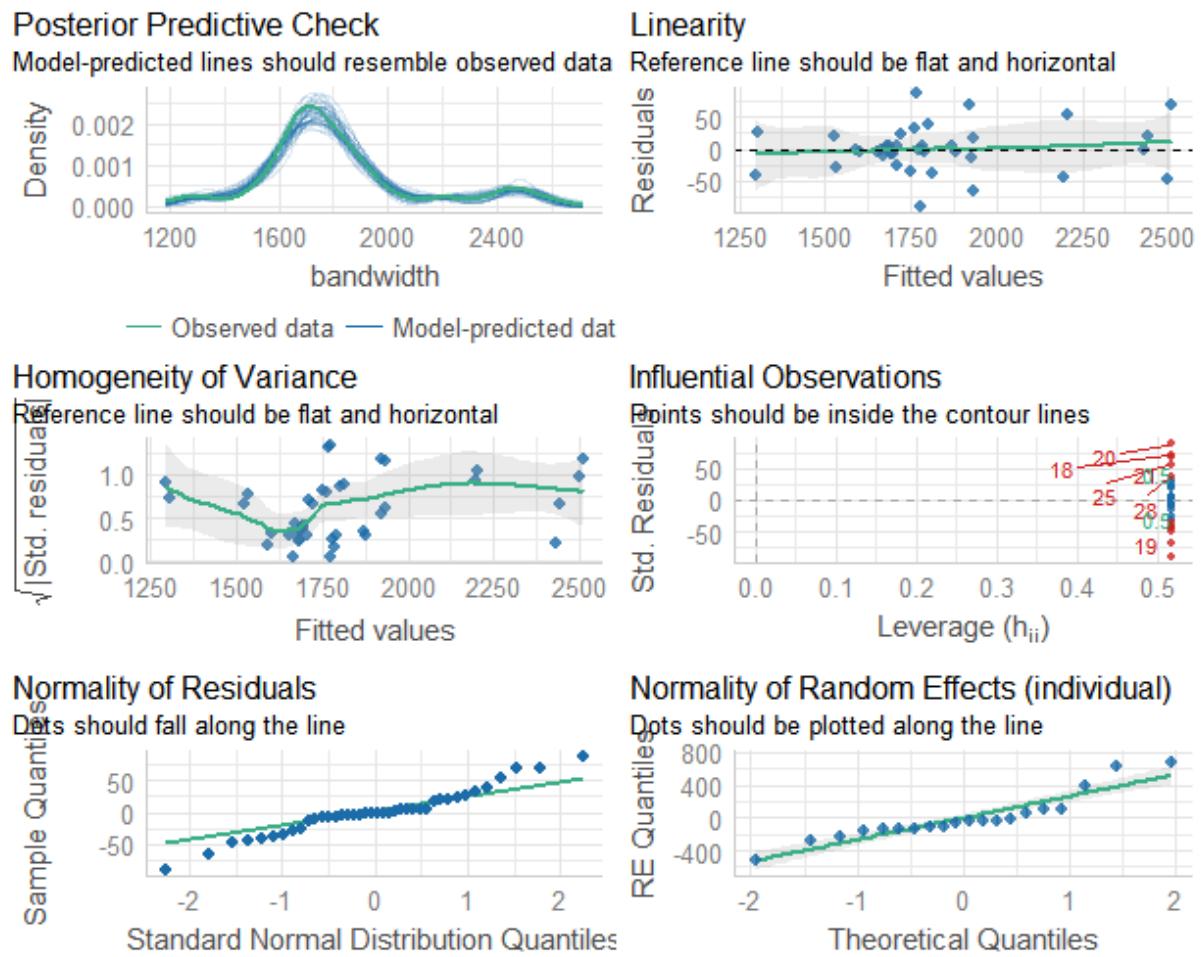


Figure S7. Performance of the model: $\text{bandwidth} \sim \exp + (1|\text{individual})$.

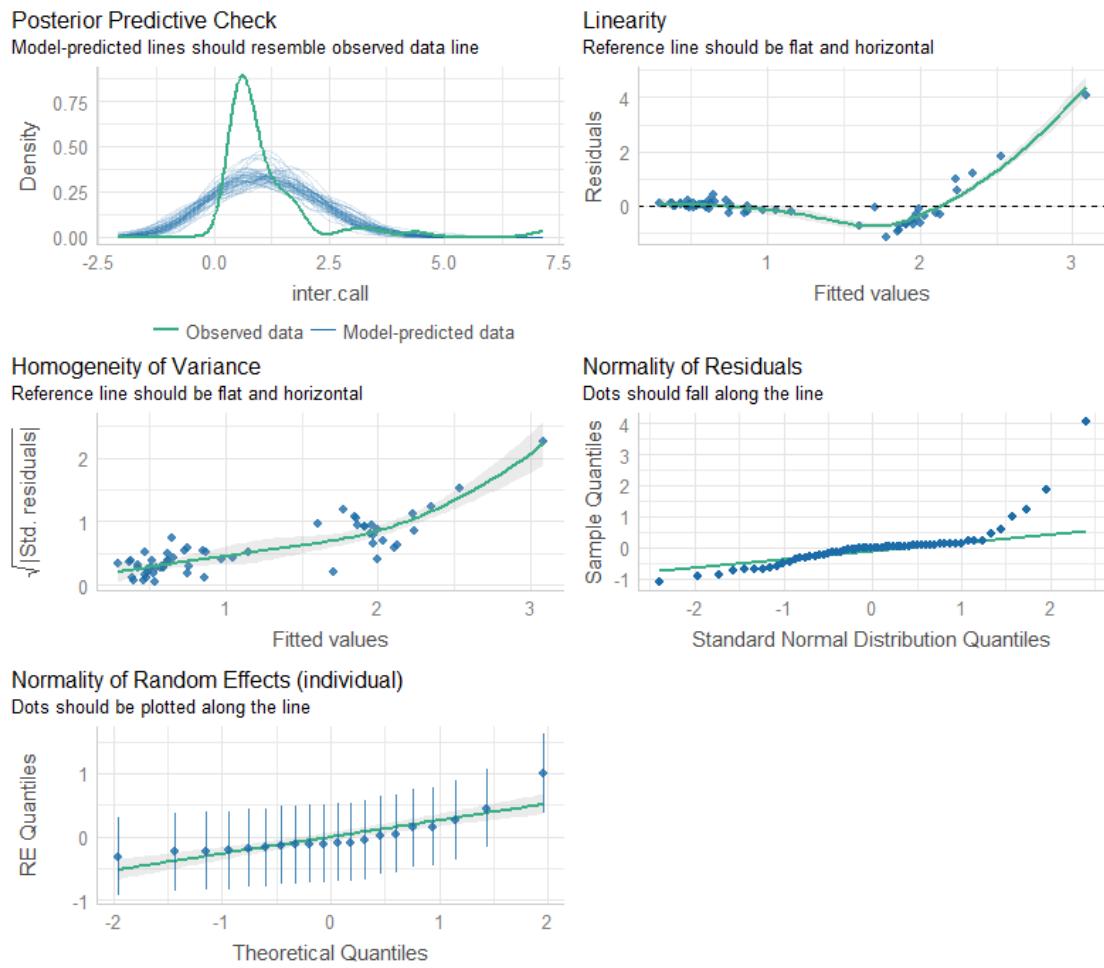


Figure S8. Performance of the model: interval between calls $\sim \exp + (1|\text{individual})$.

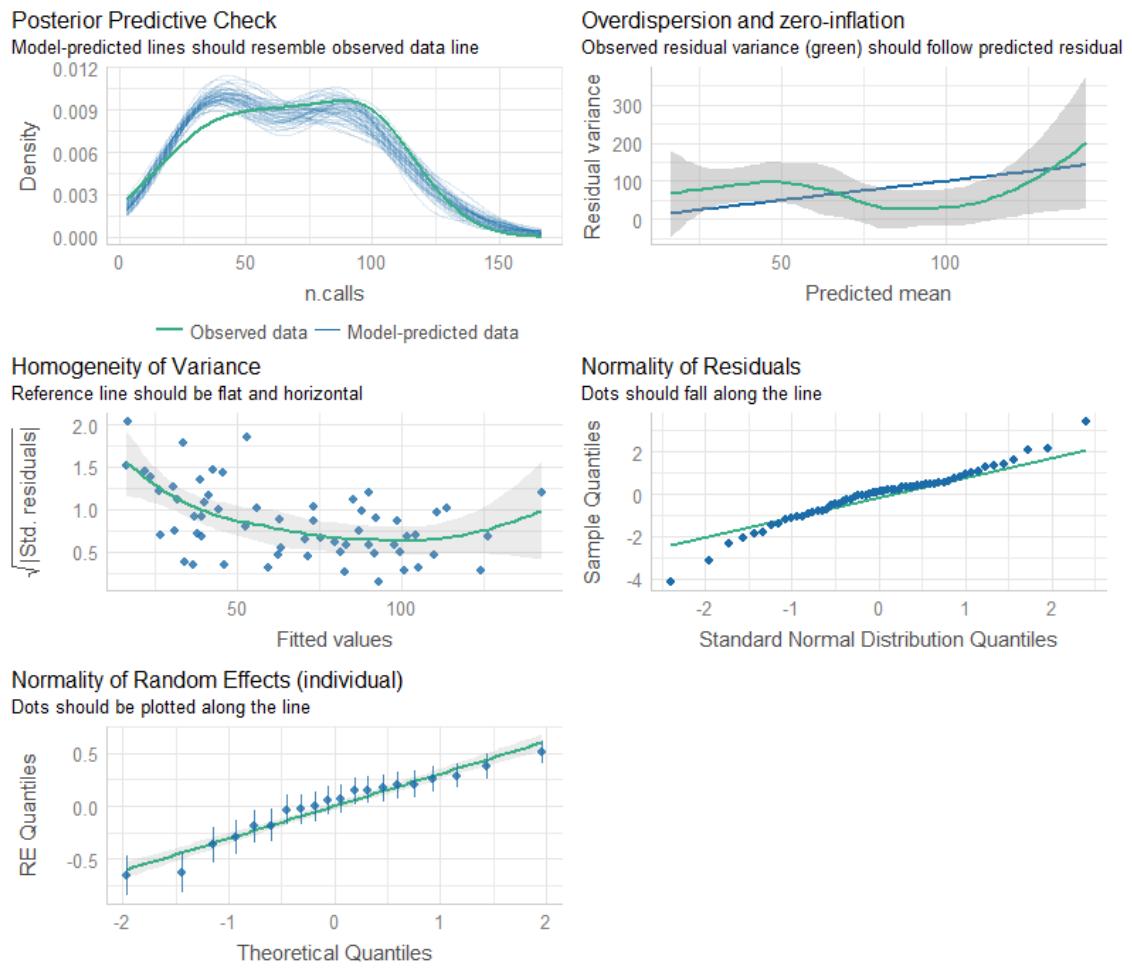


Figure S9. Performance of the model: number of calls $\sim \exp + (1|\text{individual})$.